TOMORROW: A PEACEFUL PATH TO REAL REFORM
Environmental: degrading planetary health

Economic: Top-down use of AI

Social: Fragmented communities
A MULTI-SCALAR DESIGN APPROACH

Evolving Letchworth
Grange-in-the-Hedges
Quality Charter

Information Systems

1. Water + Green Systems
2. Movement Systems
3. Block Systems
4. Building Systems
BOUNDARIES OF SPECIALISATION
ECOSYSTEM SERVICES AND ITS WELLNESS POTENTIAL
LIVING MACHINES – WASTE WATER TREATMENT INTEGRATING LEARNING & SOCIAL WELL-BEING
EVERYDAY LIFE NESTLED INTO NATURE
GRANGE-IN-THE-HEDGES – MOVEMENT SYSTEM
CURRENT CAR DEPENDENCY

INDUCED DEMAND

Even More Congestion

Traffic Oriented Street Layout

Need for More Traffic Corridors

Unsafe Streets

Congestion

Gated Community

Traffic

Disadvantaging Other Modes

Vehicular Dominance
AN INTEGRATED MOVEMENT LANDSCAPE

- Walk + cycle + car
- Walk + cycle + car + bus
- Walk + cycle
- Existing hedgerows
- Future links
- Bike hire + bus stop
- Car club
LAYOUT ADAPTS TO INCREASING DEGREES OF FILTERED PERMEABILITY FOR CARS

Stage 1
- Green: Walking, cycling
- Red: Walking, cycling, bus, cars, emergency access, waste collection, freights/ delivery

Stage 2
- Green: Walking, cycling
- Yellow: Walking, cycling, emergency access, waste collection, freights/ delivery
- Red: Walking, cycling, bus, cars, emergency access, waste collection, freights/ delivery

Stage 3
- Green: Walking, cycling
- Yellow: Walking, cycling, emergency access, waste collection, freights/ delivery
- Red: Walking, cycling, bus, cars, emergency access, waste collection, freights/ delivery
- Gray: Shared car parking facilities
STREET DESIGN TO FOSTER HEALTHY LIVING
FINE GRAIN PLOT BASED PERIMETER BLOCKS
PLAYING AND WORKING IN THE COMMUNAL GARDEN
Long-life adaptable buildings conserve embodied energy maximising settlement’s overall energy efficiency.
THE ART OF BUILDING A HOME – THE TIME DIMENSION
SENSORY PERCEPTION AND WELL-BEING: LEARNING FROM NATURE

1. Many forests
2. Many trees
3. Many branches
4. Many twigs
5. Many leaves
6. Many veins
DESIGNING FOR ORGANISED COMPLEXITY: DETAIL AT ALL SCALES
GRANGE-IN-THE-HEDGES – INFORMATION SYSTEM

Evolving Letchworth

Information Systems

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SHARE-APP

WELCOME SUE!

How can I help you today?

Top Trending FAQ's
- How do I report a maintenance issue?
- How can I message other community members?
- Where can I find information on upcoming events?

Grow Share
- Growers needed!
- 8 allotments
- 12 gardens
- Bee-keepers required!
- Horticultural training sessions

Ride Share
- Bike pods available!
- Car club bookings!
- Broadway, Welwyn, Hitchin, London...
- First ride - 20% off!

Energy Share
- Energy Awards! 2018 Winners...
- Sell to grid!
- Personal usage daily, monthly...

Skills + Space Share
- Sue: Need summer workspace
- Myriam: @sue Please contact me!
- Peter: Need a soil expert, botanist...

Eco-Learn tours & Events calender!
- Summer Fair
- Swale Trail
- Bird Watch Trails
- Moatside Hike
- Living Machine Tour
- Annual Apple Pressing Day

Optimise usage

What's on your mind?
THE RE-IMAGINATION AGENDA FOR HEALTHY LIVING

1. Local water cycles with minimal external dependency
2. Multi-scale multi-function productive landscapes
3. A connected, landscape-integrated street network for walking, cycling and play
4. Fine grain plot-based perimeter blocks with private communal gardens
5. Building system as adaptable structures with active frontage
6. Designing for organised complexity i.e. aesthetic detailing at all scales